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ANNUAL REPORT

OF THE

MEDICAL OFFICER
OF HEALTH

ROBERT RUTHERFORD

(M.C.) M.B., B.S., D.P.H., B.HY.,

FOR THE YEAR

1945.



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BOROUGH OF WALLSEND.

SANITARY COMMITTEE.

Chairman—COUNCILLOR T. TIPPET.

Vice-Chairman—COUNCILLOR R. A. LOWDON.

The Mayor—ALDERMAN ANNIE M. WALLACE, J.P.

ALDERMEN—

J. A. FREEBURN, J.P.

J. PATON, J.P.

J. MULLARKEY.

R. B. H. WEBSTER, J.P.

COUNCILLORS—

T. G. ALLAN

J. A. McFADYEN

P. CHUTE

C. H. PALMER

J. CONWAY

J. RICHARDSON

T. FALCONER

D. SOWERBY

G. GROGAN

A. SUTHERLAND

R. A. LOWDON

T. TIPPET

W. S. MacKAY

E. TURPIN

Maternity & Child Welfare Committee

Chairman—COUNCILLOR J. RICHARDSON.

Vice-Chairman—COUNCILLOR D. SOWERBY.

The Mayor—ALDERMAN ANNIE M. WALLACE, J.P.

ALDERMEN—

F. O. HOWE

J. PATON, J.P.

P. J. McARDLE, J.P.

R. B. H. WEBSTER, J.P.

J. MULLARKEY

COUNCILLORS—

P. CHUTE

C. L. PALMER

J. HARDY

J. RICHARDSON

R. A. LOWDON

G. RIMER

H. T. LYNCH

H. RYAN

W. S. MacKAY

D. SOWERBY

J. A. McFADYEN

J. WATSON

C. H. PALMER

AND

MRS. W. A. CONNOLLY

MRS. E. MALIA

MRS. F. DICKINSON

MRS. F. MATTHEWS

MRS. M. GRIEVES

MRS. L. L. T. TURPIN

MRS. R. H. S. LOWDON

MRS. M. E. WYLIE

STAFF OF PUBLIC HEALTH DEPARTMENT.

Office.	Name.	Qualifications.	Whole or Part Time.	Salary contrib'd under Public Health Acts or by Exchequer Grants.
Medical Officer of Health, Principal Sch'l. Medical Officer, Medical Supt. Maternity and Child Welfare	Robert Rutherford	M.B., B.S., D.P.H., B.Hy.	Whole Time	Both
Sanitary and Housing Inspect. Inspector under Diseases of Animals Act, Inspector under Shops Act, Inspector under Petroleum Acts, Public Cleansing Officer. Deputy Chief Sanitary Inspector Deputy Public Cleansing Officer 1st Asst. Sanitary Inspector	William Johnson	San. Insp. Cert. R.S.I.. Meat Insp. Cert. R.S.I., M.I.P.C.	do.	P.H. Acts
	William L. Black	San. Insp. Cert. R.S.I. Cert. Build'g. Constr.	Whole Time	Nil.
	J. G. Dixon	San. Insp. Cert. R.S.I. Meat Insp. Cert. R.S.I.	do.	Nil.
2nd Asst. Sanitary Inspector	Norman Pounder †	San. Insp. Cert. R.S.I. Meat Insp. Cert. R.S.A. (Scot.)	do.	Nil.
	H. S. Robson **	San. Insp. Cert. R.S.I. Meat Insp. Cert. R.S.I.	do.	Nil.
Health Visitors and School Nurses.	Miss H. Maddison	Hosp. trained & C.M.B. Cert.	do.	Exch. Grants
	Mrs. M. Harrison	Hosp. trained H.V. Cert. R. San. Inst. C.M.B. Cert.	do.	do.
	Miss N. Forrest	Hosp. trained New H.V. Cert. R. San. Inst. & C.M.B. Cert.	do.	do.
	Mrs. L. Charlton	Hosp. trained & C.M.B. Cert.	do.	do.
	Miss M. Parker ††	Hosp. trained & C.M.B. Cert. New H.V. Cert. R. San. Inst.	do.	do.
	Miss L. Minns *	Hosp. trained & C.M.B. Cert. New H.V. Cer. R. San. Inst.	do.	do.
Chief Clerk	P. Milne ***	San. Insp. Cert. R.S.I. Cert. Build'g. Constr.	do.	Nil.
Clerk (School Medical)	Miss G. M. Burn		do.	Exch. Grants
Clerk (M. & Child Welfare)	„ C. M. Drummond		do.	Nil.
Temporary Clerk	Mrs. E. Redford		do.	Nil.

* Commenced 16th April, 1945.

† Resigned.

** Commenced

†† Resigned 31st December, 1944.

*** Returned from Military Service 10th December, 1945.

HEALTH DEPARTMENT,
TOWN HALL,
WALLSEND-ON-TYNE,
October, 1946.

To the Chairman and Members of the Sanitary Committee.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I herewith present my Annual Report on the health of the Borough for the year 1945, in compliance with the requirements of the Ministry of Health to furnish statistics relevant to the health and sanitary conditions in the area of the local authority.

The greatest event in the year was cessation of the Great World War and the advent of peace with the manifold problems ahead of reconstruction and rehabilitation but notwithstanding rationing and the many other hardships endured by the public it is pleasing to record during the War years there was an absence of epidemics and a general maintenance of the health of the inhabitants though it is anticipated until pre War foodstuffs are obtainable that supplemented rations will have to be available for those engaged in heavy manual labour.

The Mass Radiography Unit's initial sojourn in the Borough for a short time during the year shewed it to be the cheapest, quickest and best yet known method of diagnosing pulmonary tuberculosis in a community, and particularly in the early stages ; generally most amenable to treatment and recovery, so now, with this agency supplemented there is early promise of more effectively tackling this dread scourge.

Though infantile mortality shows evidence of a yearly decline it yet remains much in excess of that for the County generally, apart from which, a local death rate comparable with and a birth rate much in excess of that for the County generally reflects the continued health and virility pertaining to the area.

Whilst previous to the outbreak of war in 1939 considerable progress had been made by the Local Authority to meet housing needs, the cessation of building during the war years together with the deterioration of houses and want of repairs owing to shortage of labour and materials as well as the total destruction by enemy activity of some 135 houses, now leaves a problem more urgent than ever in not only providing for the very many needing houses when labour and materials are available, but also the vast number of houses deteriorated and in disrepair.

Being about to retire and this is my twenty-sixth and last Annual Report, whilst very conscious of shortcomings but never lack of endeavour on my part, I feel happy to have retained the confidence and support of the many chairmen and members of the committee under whom I have served, with whose help and assistance aided also by the loyal members of a staff ; to whom I here pay generous tribute ; anything achieved has been largely due, in evidence of which during my tenure of office I instance being first locally in the conversion scheme from privy to water carriage, as also in tackling slum clearance together with some part in the housing schemes from 1920 to the outbreak of war in 1939, during which time the percentage of houses in the Borough owned by the Local Authority rose from nil to 16.8%. Further developments in the Maternity and Child Welfare Service, provision of Nurseries and the erection in 1940 of the Health Centre now used in the Maternity and Child Welfare and School Medical services but planned with vision and room for additions to incorporate in the prospective new public National Health Services, affords vast possibilities for the future.

I remain,

Your obedient servant,

ROBERT RUTHERFORD,
Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

(1) Area of the Borough	...	...	3,543·993 acres
(2) Population at Census 1931	...	...	44,587
(3) Population 1945	...	...	44,240
Registrar General's Estimate	...	...
(4) No. of inhabited houses at end of 1945 (estimated)			12,604
(5) Rateable Value	...	...	£255,298
(6) Product of a penny rate	...	...	£1025 2s. 9d.

Social Conditions.—The Municipal Borough of Wallsend with an area of 3,543·933 acres and a river frontage of 2.1 miles on the north bank of the River Tyne, is situated between the City and County of Newcastle upon Tyne on the west and the County Borough of Tynemouth on the east in both of which directions it is already built up so that all future housing or industrial developments can only be established northwards.

The area is almost entirely an industrial one, the chief industries being shipbuilding and repairing, marine and general engineering, rope making, as well as coal mining and coal export.

The larger firms operate welfare schemes and provide canteen and recreation facilities for their employees besides which the local Colliery Welfare Scheme has established pit-head baths.

Until the pressing needs of war and the Government's Essential Works Order occasioned a large influx of married as well as single female labour into the heavy as well as other local industries it had formerly, with the exception of a large rope works in the area mostly employing unmarried female workers, not being the local custom to industrially employ female workers, During the year, the cessation of war saw a gradual diminution of female labour employed industrially especially in the heavy industries. With the anticipated introduction of new industries into the area and when normal conditions are again resumed, it is expected that generally female industrial labour will be dispensed with in the heavy industries and confined to the lighter industries and mostly unmarried labour employed.

PUBLIC ASSISTANCE.

The amount in Public Assistance paid during the last six years is shown as follows :—

1939	...	...	£22,980	2	7
1940	...	...	£20,451	10	6
1941	...	...	£14,334	16	8
1942	...	...	£12,151	17	5
1943	...	...	£12,787	12	9
1944	...	...	£12,909	3	7
1945	...	...	£16,722	1	2

The amount of Public Assistance paid and the number of admissions to Public Assistance Institutions during 1945 was as hereunder :—

RELIEF DISTRICT.

	EAST.			WEST.			CENTRAL.			TOTAL.		
Outdoor Relief	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
	6,812	19	5	4,766	10	1	5,142	11	8	16,722	1	2
Admissions to Institutions.	128			87			194			409		

EXTRACTS FROM VITAL STATISTICS.

Total. Male. Female.

Live Births—					
Legitimate	...	819	405	414	Birth Rate per 1,000 of the estimated resident popu- lation 19.77
Illegitimate	...	56	31	25	
Still Births—					
Legitimate	...	31	17	14	Rate per 1,000 total (live and still births) 36.3
Illegitimate	...	2	—	2	
Deaths	...	522	282	240	Death Rate per 1,000 of the estimated resident popu- lation 11.8
Deaths from Puerperal Causes (Maternal Mortality)---					
Death rate per 1,000 live and still births.					
Puerperal and Post Abortive Sepsis	...	...	...	...	1.1
Other Maternal Causes	...	...	...	...	Nil
Death Rate of Infants under one year of age (Infantile Mortality)—					
All Infants per 1,000 live births	...	...	...	...	61.7
Legitimate Infants per 1,000 legitimate live births	...	...	...	...	59.8
Illegitimate Infants per 1,000 illegitimate live births	...	...	...	...	89.3
Number of Deaths from Cancer (all ages)	...	...	...	...	71
Number of Deaths from Measles (all ages)	...	...	...	...	Nil
Number of Deaths from Whooping Cough (all ages)	...	...	...	...	Nil
Number of Deaths from Diarrhoea (under 2 years of age)	...	...	...	...	6

VITAL STATISTICS.

Population.—The population of the Borough at the 1931 census was 44,587.

For 1945 the Registrar General has fixed the Resident Population of Wallsend as 44,240.

For yearly records of population see Table I in Appendix table.

BIRTHS.

Births.—During 1945 there were 875 live births and a birth rate of 19.77 per 1,000 population compared with 1065 births and a rate of 24.2 for the preceding year. Of the total births 436 were males and 439 females. These figures regarding births are the Registrar General's corrected number for "Inward" and "Outward" transfer births.

There were 56 illegitimate births (31 male and 25 female), or 6.4 per cent. of the total live births.

The annual birth rates for the Borough since 1913 are shown in Table I of the appendix. The number of births reported to the Health Department under the Public Health Act, 1936, is shown in Table VI of the appendix.

The birth rate for the Borough compared with that of the country generally is hereunder :—

						Per 1,000 population
England and Wales	...	...	...	...	...	16.1
126 County Boroughs and Great Towns	...	...	...	...	...	19.1
148 Smaller Towns	...	...	...	...	...	19.2
London	...	...	...	...	...	15.7
Wallsend	...	...	...	...	...	19.77

Births registered in the respective wards for the years 1941 to 1945 were as hereunder :—

WARDS				1941	1942	1943	1944	1945
Northumberland	...	...	...	16	9	19	28	15
Wallsend	...	...	...	59	63	68	85	64
Carville	...	...	...	55	52	57	72	68
*Buddle	...	...	...	440	446	484	549	470
Holy Cross	...	...	...	41	34	38	44	34
Hadrian	...	...	...	55	56	45	53	50
Willington	...	...	...	76	70	91	115	81
Willington Quay	...	...	...	19	26	25	29	232
Howdon	...	...	...	41	40	43	59	47
Totals				802	796	870	1034	1061
Registrar-General's corrected number				847	855	893	1065	875

The large number of births assigned to the Buddle and Willington Wards is accounted for by the notification of births from the Wallsend and Willington Quay Maternity Hospitals respectively situated in these Wards. Some such births should properly be assigned to other Wards whilst many are outward transfer births assignable to other Local Authorities.

Still Births.—The number of Still-births registered during 1945 as supplied by the Registrar General was :—

	Male.	Female.	Total.
Legitimate	17	14	31
Illegitimate	—	2	2
	<u>17</u>	<u>16</u>	<u>33</u>

Still-births in Wallsend compared with the country generally are as hereunder :—

	Per 1,000 population.
England & Wales	0.46
126 County Boroughs and Great Towns ...	0.58
148 Smaller Towns	0.53
London	0.40
Wallsend	0.75

DEATHS.

Deaths.—During 1945, 522 deaths of Wallsend residents occurred, which is equivalent to an annual death rate of 11.8 per 1000 of the population as compared with a rate of 11.9 in 1944 and 13.1 in 1943. Included in the number of deaths are those of 144 residents of the Borough who died elsewhere, but 22 residents of other areas who died in Wallsend are excluded.

CHIEF CAUSES OF MORTALITY DURING THE YEAR.

	No. of Deaths.	Percentage of total Deaths.
Heart Disease	137	26.2
Tuberculosis (all forms)	41	7.8
Intra Cranial Vascular Lesions	64	12.2
Cancer	71	13.6
Pneumonia	22	4.2
Prematurity, and diseases of early infancy	13	2.5
Bronchitis	21	4.02
Violence and accidents	17	3.2
Nephritis	11	2.1
Other digestive diseases	9	1.7

Deaths of infants (under one year of age) and maternal deaths are recorded in the section of the report which deals with Maternity and Child Welfare.

The death rate for Wallsend as compared with that for the country generally is as hereunder :— Per 1,000 Population.

England and Wales	...	...	...	...	...	11.4
126 County Boroughs and Great Towns	...	...	...	...	...	13.5
148 Smaller Towns	...	...	...	...	...	12.3
London	...	...	...	...	...	13.8
Wallsend	...	...	...	...	...	11.8

The Death Rate for the year of 11.8 per 1,000 of the population compares very favourably with the rate of 11.4 for England and Wales and also for the Country generally.

DEATHS OF RESIDENTS NOT REGISTERED IN THE BOROUGH

INSTITUTION OR DISTRICT.							Total Deaths
Preston Hospital, North Shields...	...	...	...	...	...	...	74
Royal Victoria Infirmary, Newcastle	...	...	...	...	...	...	46
General Hospital, Newcastle	...	...	...	...	...	...	9
St. George's Hospital, Morpeth	...	...	...	...	...	...	4
Emergency Hospital, Ponteland...	...	...	...	...	...	...	2
Emergency Hospital, Shotley Bridge	...	...	...	...	...	...	2
Bishop Auckland U.D.	...	...	...	...	...	...	1
Hetton-le-Hole U.D.	...	...	...	...	...	...	1
Upton-on-Severn R.D.	...	...	...	...	...	...	1
Tynemouth U.D.	...	...	...	...	...	...	1
Easington R.D.	...	...	...	...	...	...	1
Princess Mary Maternity Hospital, Newcastle	...	...	...	...	...	...	1
Wooley Sanatorium, Hexham	...	...	...	...	...	...	1
TOTAL							144

Natural Increase of Population.—The number of births in excess of deaths during 1945 was 353 as compared with 539 in 1944 and 328 in 1943.

Age at Death.				No. of Deaths.	Percentage of Total.
Under one year	...	...	...	54	10.34
1— 2 years	...	...	...	4	0.76
2— 5 „	...	...	...	5	0.95
5—15 „	...	...	...	9	1.72
15—25 „	...	...	...	26	5.0
25—45 „	...	...	...	50	9.58
45—65 „	...	...	...	132	25.3
65 years and upwards	...	...	...	242	46.35

The following table shows the classification of deaths from all causes (Registrar-General's figures) :—

CAUSES OF DEATH.								MALES	FEMALES
ALL CAUSES	...	...	...	...	...	...	...	282	240
Typhoid and Paratyphoid Fevers	...	...	...	...	...	...	...	0	0
Cerebro Spinal Fever	...	...	...	...	...	...	...	0	0
Scarlet Fever	...	...	...	...	...	...	...	0	0
Whooping Cough	...	...	...	...	...	...	...	0	0
Diphtheria	...	...	...	...	...	...	...	3	2
Tuberculosis of Respiratory System	...	...	...	...	...	...	...	23	11
Other Forms of Tuberculosis...	...	...	...	...	...	...	...	2	5
Syphilitic Diseases	...	...	...	...	...	...	...	1	0
Influenza	...	...	...	...	...	...	...	1	0
Measles	...	...	...	...	...	...	...	0	0
Acute Poliomyelitis and Polioencephalitis	...	...	...	...	...	...	...	0	0
Acute Infectious Encephalitis	...	...	...	...	...	...	...	1	0
Cancer of Buccal Cavity and Oesophagus (males only)	...	...	...	...	...	...	...	2	0
Cancer of Uterus	...	...	...	...	...	...	...	0	6
Cancer of Stomach and Duodenum	...	...	...	...	...	...	...	12	4
Cancer of Breast	...	...	...	...	...	...	...	1	6
Cancer of all other Sites	...	...	...	...	...	...	...	24	16
Diabetes	...	...	...	...	...	...	...	1	2
Intra Cranial Vascular Lesions	...	...	...	...	...	...	...	26	38
Heart Disease	...	...	...	...	...	...	...	70	67
Other Diseases of Circulatory System	...	...	...	...	...	...	...	14	5
Bronchitis	...	...	...	...	...	...	...	10	11
Pneumonia	...	...	...	...	...	...	...	12	10
Other Respiratory Diseases	...	...	...	...	...	...	...	3	2
Ulceration of Stomach or Duodenum	...	...	...	...	...	...	...	4	0
Diarrhoea (under 2 years of age)	...	...	...	...	...	...	...	4	2
Appendicitis	...	...	...	...	...	...	...	1	1
Other Digestive Diseases	...	...	...	...	...	...	...	4	5
Nephritis	...	...	...	...	...	...	...	8	3
Puerperal and Post-abortive Sepsis	...	...	...	...	...	...	...	0	1
Other Maternal Causes	...	...	...	...	...	...	...	0	0
Premature Birth	...	...	...	...	...	...	...	7	6
Congenital Malformations, Birth Injury, Infantile Diseases	...	...	...	...	...	...	...	7	11
Suicide	...	...	...	...	...	...	...	3	1
Road Traffic Accidents	...	...	...	...	...	...	...	3	0
Other Violent Causes	...	...	...	...	...	...	...	9	5
All other Causes	...	...	...	...	...	...	...	26	20

Although there is substantial agreement between the Registrar General's classification and the local tabulation, discrepancy sometimes arises owing to modification in the light of further information obtained by the Registrar General's enquiries in indefinite cases.

DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.

The seven "Principal zymotic diseases" caused deaths as follows :—

	Death Rate	
Diarrhoea and Enteritis (under two years)	6	0.13
Measles	—	—
Whooping Cough	—	—
Diphtheria	5	.113
Fever (Enteric, Typhus and simple continued fever)	—	—
Scarlet fever	—	—
Smallpox	—	—

This corresponds to a death rate from all these diseases of 0.243 per 1,000 population.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Public Health Staff.—During the year, the staff of the Public Health Department was as in the detailed list on Page 7.

(a) Laboratory Facilities.

(1) Bacteriological examination of milk and foodstuffs, etc., also bacteriological specimens from practitioners, the Infectious Diseases Hospital and the Public Health Department are examined and reported on by the Laboratory of the Northumberland County Council at Newburn-on-Tyne.

(2) Foodstuffs and water are sent for chemical examination to J. & H. S. Pattinson, Newcastle-on-Tyne.

(b) Ambulance Facilities.

(1) Free ambulance facilities are provided by the Local Authority through the Transport Department of the Corporation from the Central Depot, Portugal Place, Tel. No. 63728, where a night and day service with three motor ambulances and personnel is maintained for the transport of accident and other cases to and from hospital.

During the year there were 2,932 ambulance cases including 61 accident cases—an average of over 8 per day.

(2) The Earsdon Joint Hospital Board provide motor ambulances for removal of infectious cases to Infectious Diseases Hospitals serving their combined areas.

(3) In addition to the above, several industries in the area maintain their own ambulance service, whilst also the St. John Ambulance Association provide an ambulance at Willington Quay to serve the east.

(c) Nursing in the Home.

(1) General.

There are two voluntary nursing associations in the Borough, the Wallsend and the Willington Quay Nursing Associations respectively, each of which maintains a staff of visiting nurses.

(2) For Infectious Cases.

The Health Visitors of the local Authority where necessary visit and advise in the nursing and treatment of Infantile Diarrhoea, Ophthalmia Neonatorum, Measles, and Whooping Cough.

(3) Tuberculosis.

The authority for Tuberculosis in the area is the Northumberland County Council whose medical and nursing tuberculosis staff keep in touch with notified cases at the Tuberculosis Clinic or at their homes, also all notified cases are visited by the Local Authority's Health Visitors, and a card detailing the conditions and home circumstances is completed in each case, further a liaison is maintained regarding cases between the local Health Department and the County Council's Tuberculosis staff.

(4) Midwives.

The Northumberland County Council are the Supervising Authority under the Midwives Act, 1936, and have four paid Midwives serving in the Borough, also the Willington Quay Nursing Association provide midwives for the eastern portion of the Borough.

(d).—CLINICS AND TREATMENT CENTRES.

The New Health Centre, The Green, which was officially opened on December 21st, 1940, affords model School Clinic and Maternity and Child Welfare facilities.

CLINIC, ETC.	SITUATION.	PROVIDED BY.	WORK DONE.
1.—Maternity and Child Welfare Centre.	The Health Centre, The Green Wallsend. Open daily for treatment. Sessions Mondays and Wednesdays 2—4. Doctor in attendance Wednesdays.	Wallsend Corporation.	1.—Infant Consultations. 2.—Nursing Mother Consultations. 3.—Antenatal do. 4.—Retail of food stuffs. 5.—Dental Treatment. 6.—Light treatment (special sessions). 7.—Weighing of infants.
2.— do.	Stead Memorial Chapel, Willington Quay. Sessions—Tuesdays, Thursdays, 2-4. Doctor in attendance—Thursdays.	do.	do. Except Dental and Light treatment, which are referred to The Health Centre, Wallsend.
3.—Ante and Post Natal Clinic	The Health Centre, Wallsend and Willington Quay Maternity Hospital.	Wallsend Corporation Willington Quay Nursing Association.	Examination & supervision of ante and post-natal cases. Expectant women elect their own doctor, and attend sessions at either of the two Clinics.
4.—School Clinic.	The Health Centre, Wallsend. Sessions each weekday morning 9.30—12. Doctor in attendance Wednesday.	Wallsend Education Authority.	1.—Treatment of minor ailments of school children. 2.—Consultations & advice. 3.—Inspection of special cases. 4.—Dental treatment. 5.—Refraction of Visual Defects. 6.—Light treatment (special sessions).
5.—Tuberculosis	Vine Street, Wallsend.	Northumberland County Council.	1.—General Consultations, etc.
6.—Venereal Diseases.	Newcastle General Hospital, Westgate Road, Newcastle. Preston Hospital, Preston Road, North Shields.	do.	1.—Consultations. 2.—Treatment. also some of the local general practitioners undertake treatment at their own surgeries on behalf of the Northumberland County Council.

HOSPITAL ACCOMMODATION.

(1) *Tuberculosis.*

Treatment for tuberculosis is provided by the Northumberland County Council at the County Sanatorium, Wooley, or other Institutions, none of which are in Wallsend.

(2) *Maternity.*

The Wallsend General and Maternity Hospital provide 14 maternity beds in its Maternity Block.

The Willington Quay Maternity Hospital with 15 beds which evacuated to Stagshaw in September, 1939, re-opened at Willington Quay 12th March, 1945.

(3) *Children.*

Apart from three or four cots at the Wallsend General and Maternity Hospital, no other hospital provision for children is afforded in Wallsend.

(4) *General.*

The Wallsend General Hospital which is a voluntary institution functioning in the Borough has a provision of 32 beds and 3 cots for general medical and surgical admissions.

(5) *Fever.*

The Earsdon Joint Hospital Board, with hospitals at Wallsend and Scaffold Hill provide isolation hospital accommodation for adjacent areas including Wallsend.

MATERNITY AND CHILD WELFARE.

NOTIFICATION OF BIRTHS, 1945.

Notified under the Public Health Act, 1936 (Part VII).

By Doctors and Others	...	...	...	...	71
By Midwives	...	...	...	...	831
					<hr/>
Total	...	...	...	...	902
					<hr/>
Number of Stillborn	...	...	...	...	33

The proportion of still births to live births was 3.8 per cent.

Comparison with infant mortality in England and Wales :—

					Per 1000 Live Births.
England and Wales	...	...	...	...	46
126 County Boroughs and Great Towns (including London)	...	...	...	...	54
148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	...	...	...	...	43
London	...	...	...	...	53
WALLSEND	...	...	...	...	61.7

Comparison with previous infant mortality in Wallsend :—

1916	...	...	...	...	97.9
1917	...	...	...	...	125.1
1918	...	...	...	...	113.3
1919	...	...	...	...	133.6
1920	...	...	...	...	111.9
1921	...	...	...	...	110.5
1922	...	...	...	...	92.6
1923	...	...	...	...	79.2
1924	...	...	...	...	91.8
1925	...	...	...	...	108.6
1926	...	...	...	...	63.1
1927	...	...	...	...	85.7
1928	...	...	...	...	83.07
1929	...	...	...	...	94.4
1930	...	...	...	...	72.5
1931	...	...	...	...	85.8
1932	...	...	...	...	80.3
1933	...	...	...	...	78.1
1934	...	...	...	...	78.1
1935	...	...	...	...	66.1
1936	...	...	...	...	78.7
1937	...	...	...	...	71.6
1938	...	...	...	...	85.5
1939	...	...	...	...	56.9
1940	...	...	...	...	52.1
1941	...	...	...	...	90.9
1942	...	...	...	...	77.1
1943	...	...	...	...	77.2
1944	...	...	...	...	59.1
1945	...	...	...	...	61.7

Infant Deaths—

Legitimate	...	...	...	...	49
Illegitimate	...	...	...	...	5
					—
					54

Death Rate per 1,000 Births—

Legitimate	...	...	...	...	59.8
Illegitimate	...	...	...	...	89.3

The following table shows the number of infant deaths and infant mortality rates for each of the municipal wards :—

INFANT DEATHS AND INFANT MORTALITY RATES
IN EACH WARD FOR 1945

WARDS.				Births. Assigned to Wards	Deaths under 1 year.	Death rate per 1,000 Births.
Northumberland ...	...	...	...	30	—	—
Wallsend ...	...	...	...	88	7	79.5
Carville ...	...	...	...	106	4	37.7
Buddle ...	...	...	...	201	13	64.6
Holy Cross ...	...	...	...	72	7	97.2
Hadrian ...	...	...	...	64	9	140.6
Willington ...	...	...	...	171	8	46.7
Willington Quay ...	...	...	...	55	—	—
Howdon ...	...	...	...	79	6	75.9
Totals ...	...	...	...	866	54	62.3

Infantile Mortality.—The Registrar General's return records 54 deaths among infants under one year, during 1945, which, with 875 births shews an infantile mortality rate of 61.7 per 1,000 births compared with 59.1 in 1944.

Of the 54 deaths, 29 occurred among males and 25 among females, an infant mortality rate of 66.4 and 56.9 per 1,000 male and female births respectively.

There were 5 deaths of illegitimate children.

Neo-natal deaths or deaths occurring in the first month of life numbered 25, or a neo-natal infant death rate of 28.5 per 1,000 births. Further, of the 25 infants who died in the first month of life, 20 died in the first week.

The principal causes of Infant Deaths under one year, were :

ANTE NATAL :

Prematurity ...	...	...	...	...	...	...	13
Debility ...	...	...	...	...	...	...	18

POST NATAL :

Pneumonia ...	...	...	...	...	...	...	9
Bronchitis ...	...	...	...	...	...	...	4
Diarrhoea ...	...	...	...	...	...	...	5

Whilst it is pleasing to record a local birth rate continuing for the year much in excess of that for the smaller towns of 25,000 to 50,000 inhabitants as well as that for the country generally on the other hand it is somewhat disappointing that the local infantile mortality rate though generally tending to yearly decline, still remains in excess of that for the country generally. Further of the 54 deaths of infants under 1 year, that 25 died in the first month and 20 actually died in the first week of existence indicates increased effort and vigilance in the pre-natal care, nourishment, and welfare of expectant mothers.

PUERPERAL FEVER

	1941	1942	1943	1944	1945
No. of Cases Notified	1	...	2	1	1
No. of Deaths ... ..	...	...	1	...	...

PUERPERAL FEVER.

The above Puerperal Fever case was a domiciliary case and made a good recovery.

PUERPERAL PYREXIA

	1941	1942	1943	1944	1945
No. of Cases Notified	3	3	2	1	1
No. of Deaths	1	1	1	...	...

PUERPERAL PYREXIA.

The notified case of Puerperal Pyrexia referred to in the above table was removed to Hospital where she made a good recovery.

MATERNAL MORTALITY.

One death was recorded during the year. The cause of death being hereunder. The case was admitted to and died in hospital.

- (1) a. Fulminating gas gangrene septicaemia following delivery of fulltime stillborn baby.
- b. Pregnancy.

OPHTHALMIA NEONATORUM.

There were no cases of Ophthalmia Neonatorum during the year.

Work of Health Visitors.—Visits by Health Visitors during the year :—

First visits to expectant mothers ...	179
Re-visits to expectant mothers ...	100
First visits to infants	885
Re-visits to infants	1840
Re-visits to infants 1-5 years ...	2881

SPECIAL VISITS BY HEALTH VISITORS.

DISEASES	No. of Cases Notified	No. of Cases Visited	No. of Cases Nursed	No. of Cases Removed to Hospital
Puerperal Fever	1	1	—	—
Puerperal Pyrexia	1	1	—	1
Measles	422	403	—	—
Whooping Cough	28	28	—	—

INFANT LIFE PROTECTION.

At the beginning of the year there were 3 nursed out children on the Local Authority's Register and during the year 5 children were added, whilst 5 were removed, 3 being adopted, 1 was fostered by another woman out of the Local Authority's area, and 1 taken care of by its own mother. At the end of the year 3 nursed out children remained on the Register all of whom were under the supervisory observation of the Local Authority Health Visitors.

ADOPTION OF CHILDREN (REGULATION) 1939

Ministry of Health Circular 2790 of 18 March, 1943.

The above Regulation came into force on 1st June, 1943.

Number of persons who gave notice under Section 7 (3)
during the year... .. 14
Number of children adopted during the year 9
Number of Children under supervision at the end of
the year 33

SUMMARY OF ATTENDANCES AT MATERNITY
AND CHILD WELFARE CENTRES.

	WALLSEND CENTRE.	WILLINGTON QUAY CENTRE.	TOTAL.
Attendances during the year—			
By Health Visitors	297	207	504
„ Infants	16619	8076	24695
„ Children, 1 to 5 years... ..	15319	6640	21959
„ Expectant Mothers	733	474	1207
Consultations—			
Infants and Children	894	454	1348
Expectant Mothers	249	164	413
Average Weekly Attendances—			
(a) Health Visitors	6	4	10
(b) Infants	319	155	474
(c) Children, 1 to 5 years	294	127	421
(d) Expectant Mothers	14	9	23
Average Weekly Consultations—			
Infants and Children	17	9	26
Expectant Mothers	5	3	8
Number who attended for the First Time—			
Infants and Children	570	260	830
Expectant Mothers	228	123	351

TREATMENT CARRIED OUT AT THE MATERNITY AND CHILD WELFARE CENTRES.

Abscess	...	...	...	...	9 cases treated.
Burns and Scalds	...	...	...	4	„
Circumcisions (dressed)	...	...	...	72	„
Conjunctivitis and Blepharitis	...	...	...	5	„
Eczema and Dermatitis	...	...	...	1	„
Impetigo	...	...	...	46	„
Otorrhoea	...	...	...	7	„
Ringworm	...	...	...	1	„
Septic Conditions	...	...	...	89	„
Umbilical Hernia	...	...	...	62	„
Scabies	...	...	...	10	„
Seborrhoea	...	...	...	5	„

DRIED MILK AND OTHER FOOD STUFFS.

In addition to 21.2 tons of dried milk of several propriety brands sold at cost price at the Maternity and Child Welfare Centres during the year, as compared with 24.1 tons in the preceding year, there was also retailed at cost price other supplementary foodstuffs as hereunder :—

Virol	.....	612 lbs.
Numol	.....	720 lbs.
Colact	.....	120 lbs.
Devonlac	.....	960 lbs.

MIDWIFERY AND MATERNITY SERVICES.

The Northumberland County Council who are the supervising Authority under the Midwives Acts provide a domiciliary midwifery service for the area, and it is the duty of midwives under the Central Midwives Board regulations to seek medical assistance at the cost of the Supervising Authority for abnormalities or difficulties during confinement, and for mothers and infants during the puerperium.

Besides the above, the Local Maternity and Child Welfare Authority affords medical practitioners specialist consultation and assistance for any ante, intra or post natal abnormal condition of mother or infant up to the end of the puerperium, in addition to which, on application, a free maternity outfit is afforded to expectant mothers in the Borough, for whom also a free ante and post natal medical supervision is provided by a panel of local general medical practitioners, who are paid a capitation fee in respect of each case, and choice of doctor is exercised by the expectant mother herself.

Maternity hospital provision for the area is afforded by the Wallsend Maternity Hospital, a voluntary institution with 14 beds, and the Willington Quay Maternity Hospital with 15 beds, whilst also maternity cases from Wallsend are admitted to the County Council Maternity Hospital at Dilston Hall and the Local Maternity and Child Welfare Authority pay to these Hospitals the costs incurred in respect of all necessitous maternity cases admitted from the Borough, in addition to which the Princess Mary Maternity Hospital also admit maternity cases from Wallsend in respect of which cases being necessitous the Local Maternity and Child Welfare Authority paid to the Hospital up to September, 1945, £80 annually from when it has been agreed to pay £240 per annum for such services.

ANTE AND POST NATAL SUPERVISION.

<i>Ante-Natal</i> —Number of expectant mothers supervised	...	...	940
Total number of attendances	...	...	4,806
<i>Post-Natal</i> —Number of mothers supervised	...	...	726
Total number of attendances	732

FREE MATERNITY OUTFITS.

Numbers applied for and supplied	265
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PRIORITY SHEETS FOR EXPECTANT MOTHERS.

Ministry of Health Circular 154/44 dated 5/11/44.

The scheme for the issue of priority blankets/or sheets for expectant mothers commenced Nov. 27th, 1944, During the year 538 priority dockets for sheets were issued to 230 mothers.

HOME HELPS.

The Local Authority's Scheme for the provision of Home Helps became imperative from October, 1943 owing to inability to engage part time helpers due to the absorption of female workers into more lucrative war-time employment and though home helps were advertised for they were unobtainable.

NURSERIES.

The two War-time Day Nurseries each for 50 children (20 under 2 years and 30—2 to 5 years) at Station Road, Wallsend and Willington Quay Park respectively, established in permanent hutments by the Ministry of Health in accordance with Circular 2535 (Ministry of Health) and Circular 1573 (Board of Education) which were opened on April 24th, 1944 in connection with the care of young children of women war workers continued throughout the year and whereas admissions were confined to children of women employed in essential work with the cessation of war the admission of children was not so restricted. During the year there was an average daily attendance of children at the Nurseries as hereunder :—

WALLSEND NURSERY.		WILLINGTON QUAY NURSERY
0—2 years	5	8
2—5 years	22	15
	—	—
	27	23
	==	==

UNMARRIED MOTHERS, ILLEGITIMATE INFANTS AND HOMELESS CHILDREN.

The Newcastle Diocesan Association for Rescue have a Wallsend Branch and shelter at 66 Park Road in charge of Miss W. Skinner, and afford valuable assistance in the protection and welfare of unmarried mothers, illegitimate infants and homeless children. Besides assisting in securing affiliation orders, and situations for mothers, the Association also assists in securing admission to maternity homes and homes for infants.

During the year 1945 the following cases were assisted :—

Unmarried mothers :

32 cases were investigated and assisted.

3 were found places in homes.

22 staying with parents were assisted.

7 became married.

Illegitimate Children :

40 cases were investigated, of whom

28 were looked after by relatives whilst the parents were employed

2 were secured a foster mother, whilst the mother was employed.

6 were adopted

4 died.

SANITARY CIRCUMSTANCES OF THE AREA WATER.

The area is served by the Newcastle & Gateshead Water Company, who maintain a plentiful and wholesome supply throughout the year.

The service is adequate and satisfactory.

To ensure the maintenance of a high standard, regular chemical and bacteriological tests are made, and sources of impurities dealt with.

The Company invariably readily investigate any complaint, and effect a remedy.

To conserve the domestic supply in summer time, water is available from other sources for street watering, industrial uses etc.

DRAINAGE AND SEWERAGE.

No new sewers were installed in the Borough during the year.

RIVERS AND STREAMS.

No further development has ensued to deal with pollution in the River Tyne.

CLOSET ACCOMMODATION.

The following statement shows the existing sanitary accommodation in the district :—

No. of Dry Ashpits in the district	...	...	3
No. of Privy Ashpits in the district	...	...	5
No. of Cell Privies in the district	...	...	9
No. of Water Closets in the district	...	...	12,480
No. of Ash Receptacles in the district	...	...	13,864

The few dry ashpits, privy ashpits and cell privies which now remain are wholly confined to outlying farm properties where sewage facilities are not available.

PUBLIC CLEANSING.

Public cleansing of the Borough is carried out by the Cleansing and Transport Department under the direction of Mr. William Johnson, Public Cleansing Officer who is also Chief Sanitary Inspector.

All refuse continues to be disposed of by controlled tipping in accordance with the Ministry of Health's precautions for tipping.

SANITARY INSPECTOR'S REPORT.

SANITARY INSPECTION OF THE AREA.

Removal of Nuisances.—The various nuisances and other similar conditions dealt with under the Public Health Acts are set out in the following table :—

	Informal Notices.		Statutory Notices.	
	Nuisances	Nuisances Abated.	Nuisances	Nuisances Abated.
Animals improperly kept	...	3	...	...
Ash Receptacles, to provide	...	130	...	...
Drains defective, to repair	...	20	...	...
Drains choked, to cleanse	...	735	...	...
Dirty houses, to cleanse...	...	6	1	1
Dirty yards, to cleanse	...	5	...	...
Limewash, cowsheds	...	16	...	...
Offensive accumulations, to remove	...	6	...	...
Roofs, to repair	...	40	...	...
Scullery bench, to repair	...	6	...	...
Spouting to repair	...	38	...	...
Vermin infested houses	...	8	...	...
Water closet fittings (basins, etc. def.)	...	65	...	...
Water closets, to cleanse	...	6	...	...
Water supply, to provide	...	155	...	...
Number of Nuisances	1239	1229	1	1

During the year 504 informal notices were served and 494 received attention. The remaining notices which had not become operative at the end of the year were subsequently complied with.

One statutory notice was served and received attention.

HOUSING ACTS, 1930 to 1936.
SECTION 9, HOUSING ACT, 1936.

472 informal notices were served relating to 1642 defects on owners of properties under the Housing Acts. 359 informal notices relating to 1065 defects were complied with.

61 statutory notices relating to 332 defects were served.

32 statutory notices relating to 252 defects received attention.

113 informal notices and 29 statutory notices remained outstanding at the end of the year.

Owing to shortage of labour and materials difficulty is experienced in getting work carried out.

In five instances work was carried out by the Corporation in default of the owners at a cost of £277 2s. 9d.

The following statement shows the number of notices served and defects dealt with :-

	Informal Notices.		Statutory Notices.	
	Defects Discovered	Defects Remedied	Defects Discovered	Defects Remedied
Ashbin, to provide	43	23	20	20
Ceilings, to repair	60	30	15	12
Chimneys, to repair or re-build ...	24	18	5	3
Doors, to repair	221	159	37	22
Drains defective, to repair or reconstruct	69	58	2	1
Fireplaces (fire bars, etc.) to repair ...	15	10	1	1
Fireplaces (brickwork) to repair ...	15	8	3	2
Floors, to repair or ven' late	85	59	13	9
Outbuildings, to repair	75	46	37	25
Ovens, to repair or renew	16	8	3	2
Range kitchen, to repair	26	20	6	6
Roofs, to repair	159	105	26	20
Scullery sinks, to repair... ..	8	8	1	1
Scullery bench, to repair	20	18	6	6
Scullery sink trap, to repair	74	60	7	7
Set pot (fire grate) to repair or renew...	21	18	3	2
Spouting, to repair	95	58	27	23
Stairs (internal) to repair	5	5	5	4
Stairs (external) to repair or renew ...	28	20	4	3
Staircases, to cleanse	2	2	...	...
Walls (external) to repair	130	95	32	25
Walls (internal) to repair	176	109	24	18
Washhouse set-pots, to renew	15	10	2	2
Water closet fittings (basins, etc., def.) .	61	48	14	10
Windows (woodwork), to repair	30	25	11	8
Windows (sashcords), to renew... ..	78	58	16	11
Water pipes, to repair	50	42	5	4
Yard surface, to repair	41	35	6	5
Total number of defects... ..	1642	1065	332	252
Total number of notices... ..	472	359	61	32

THE RENT AND MORTGAGE INTEREST
(RESTRICTIONS) ACTS, 1920 to 1933.

No applications for a certificate have been made during the year.

POST WAR HOUSING.
MINISTRY OF HEALTH CIRCULAR

No. 2778, 4TH MARCH, 1943.

In connection with the above Circular, the Ministry of Health requested Local Authorities to review their housing needs and to concentrate on the preliminary arrangements necessary as a practical measure to enable them to start on such part of the programme as would comprise a one year's building work as soon as the Local Authorities are authorised to do so.

In 1936, a Housing Survey was carried out by the staff of the Health Department and a report was submitted to the Ministry of Health.

1,342 families were found to be living in overcrowded conditions, 195 of these families were living in Council Houses.

It was the intention of the Sanitary Committee to proceed with the abatement of overcrowding after the completion of the Slum Clearance Scheme, but owing to the outbreak of hostilities in 1939 the work had to be abandoned.

The Housing Survey revealed that there was a special shortage of 3 and 4 bedroomed houses.

The needs of the smaller overcrowded families may be met to a certain extent by a process of redistribution where a batch of houses have been built and let to selected families the Council should take such steps as are possible to see that the accommodation vacated by the families rehoused is used in such a way as to abate other cases of overcrowding.

The following five years programme was adopted, it being understood that in the event of more housing being required a supplementary scheme could be adopted.

IRST YEAR. WESTMORLAND ESTATE 9.5 acres.

				TYPE OF HOUSE		Totals.
				2 Bedroomed.	3 Bedroomed.	
1.	Slum Clearance	...	...	10	4	14
2.	Overcrowding Abatement	...	...	—	10	10
3.	Replacement of War Damage			—	22	22
4.	Ordinary Letting	...	...	60	24	84
Totals				70	60	130

FIRST YEAR. LOW WILLINGTON ESTATE 23 acres.

				TYPE OF HOUSE			Totals
				2 Roomed Bungalows.	2 Bed Roomed.	3 Bed Roomed.	
1.	Slum Clearance	...	...	—	2	2	4
2.	Overcrowding Abatement	...	...	—	26	44	70
3.	Replacement of War Damage			20	60	33	113
4.	Ordinary Letting	...	...	—	80	6	86
Totals				20	168	85	273

SECOND, THIRD, FOURTH AND FIFTH YEAR PROGRAMMES.**WEST END.**

				TYPE OF HOUSE.			Totals.	
				2 Bed Roomed.	3 Bed Roomed.	4 Bed Roomed.		
SECOND YEAR.								
1.	Overcrowding Abatement	...	...	—	52	8	60
2.	Ordinary Letting	...	...	50	22	8	80
THIRD YEAR.								
1.	Overcrowding Abatement	...	...	—	52	8	60
2.	Ordinary Letting	...	...	50	22	8	80
FOURTH YEAR.								
1.	Overcrowding Abatement			—	52	8	60	
2.	Ordinary Letting	...	...	66	22	8	96
FIFTH YEAR.								
1.	Overcrowding Abatement			—	52	—	52	
2.	Ordinary Letting	...	...	66	22	—	88
Totals				...	232	296	48	576

	2 Roomed Bungalows.	2 Bed Roomed Houses.	3 Bed Roomed Houses.	4 Bed Roomed Houses.	Aggregate.
GRAND TOTAL	20	470	441	48	979

On the 19th December, 1945, the Housing and Town Planning Committee considered a report from the Selection of Tenants Committee who recommended that the following number of houses be erected in the Borough.

TYPE.	No.
2 Roomed Bungalows ...	20
2 Bedroomed ...	532
3 Bedroomed ...	900
4 Bedroomed ...	48
	<hr/> 1500 <hr/>

Owing to the shortage of materials and labour it was found impossible to give effect to the scheme mentioned, and resort has had to be made of meeting the pressing demand for houses by the erection of temporary prefabricated houses.

It is proposed to build 164 temporary prefabricated houses during 1946.

PREMISES AND OCCUPATIONS CONTROLLED BY BYE-LAWS AND REGULATIONS.

Number of Slaughter Houses	...	...	12
Number of Cowsheds	...	...	8
Number of Fried Fish Shops	...	...	47
Number of Common Lodging Houses	...	...	Nil.

RAG FLOCK ACTS, 1911 and 1928.

There are no premises on which rag flock is manufactured or sold as such, in the Borough.

SHOPS

39 inspections were made during the year. Notices were served in respect of defects that required to be remedied.

SMOKE ABATEMENT

Observations have been suspended owing to the war. Arrangements are being made for observations to be resumed next year.

PUBLIC BATHS

The Corporation provide a public swimming bath available for the public from April to October, during which time it is largely attended by swimmers of both sexes with special sessions for male, female, and mixed bathers. The water is heated and maintained at a temperature of 74-76 dgs. Fah., and a continuous aeration filtration and chlorination is maintained, so that there is a complete change over of the water every eight hours. The bath water is tested thrice daily and chlorine regulated to maintain the standard of sterilization.

Royles special chlorine apparatus is installed and chlorine is maintained at a standard of 0.2 to 0.5 parts per million of the water which is the sterilization standard recommended by the Ministry of Health.

CIVIL DEFENCE STATIC WATER TANKS.

Static water tanks have been sprayed with a special disinfectant with a view to preventing the growth of mosquito larvae.

SCHOOLS

No infectious disease became epidemic during the year, hence it was not necessary to adopt closure of any school or department to prevent spread of infection.

Contacts from infected homes are excluded from school for the incubation period and not re-admitted till medically examined and certified fit for school.

During school holidays the Elementary Schools are disinfected as well, as particular schools, class rooms, or departments when infectious diseases occur amongst the scholars.

DISINFECTION.

In every case of infectious disease disinfection of the premises is carried out. Infected clothing, bedding, etc., is removed in a motor van for disinfection to the Disinfecting Station, Town Hall, Wallsend, where a Velox Steam Disinfector is installed.

During the year, disinfection of premises was carried out as under :—

Scarlet Fever	...	...	...	...	...	88
Diphtheria	...	...	...	...	...	79
Erysipelas	...	...	...	...	...	15
Cerebro Spinal Fever	...	...	...	...	...	1
Dysentery	...	...	...	...	...	10
Tuberculosis	...	...	...	...	...	144

In addition, 459 lots of bedding were dealt with.

Disinfection of Library Books.—All library books are removed from infected households for disinfection. During the year, 129 books have been disinfected, 108 of which were from the Public Library.

DISINFESTATION.

Eradication of Bugs.—26 houses infested with bugs were disinfected during the year.

Methods employed in Disinfestation.—Bug infested households were treated with Zaldecide.

In some instances it has been found necessary to destroy skirting boards, picture rails, etc.

Removal of Slum Clearance Tenants.—Furniture and bedding from condemned houses is treated with Hydrogen Cyanide, and the work is carried out by a Contractor. Owing to the suspension of slum clearance no work has been carried out by the Contractor during the year.

INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY.

MILK AND DAIRIES ORDER, 1926.

The following is a summary of the Milk and Dairies Register :

Number of persons registered as Cowkeepers	...	...	8
Number of premises registered as Cowsheds	...	...	8
Number of cows on registered premises (approx.)	...	161	
Number of cowkeepers who are also retailers of milk	...	8	
Number of dairies registered belonging to Cowkeepers	...	8	
Number of persons registered as Dairymen	...	...	16
Number of persons registered as retail purveyors of milk residing in the area	...	...	...
Number of persons registered as retail purveyors of milk who reside outside the area	...	...	...
			17

1.—BACTERIOLOGICAL EXAMINATION OF MILK.

Samples of milk taken in the Borough are forwarded to the County Laboratory, Newburn.

The results obtained are set out later in report.

2.—FOOD AND DRUGS ACT, 1938.

THE MILK (SPECIAL DESIGNATIONS) ORDERS 1936 TO 1941.

The following licences were issued under the Milk (Special Designations) Orders, 1936 and 1938 :—

1 licence issued to bottle Tuberculin Tested Milk.

1 licence issued to retail Tuberculin Tested Milk.

11 licences issued to retail " Pasteurised " Milk.

One of our largest milk producers is licensed by the North-umberland County Council to produce "Accredited" Milk.

3.—SANITARY CONDITION OF COWSHEDS AND DAIRIES.

Cowsheds and dairies are periodically inspected and notices served to limewash and disinfect cowsheds. Plans for alterations to a cow byre in the area are under consideration.

CLEANLINESS OF MILK CHURNS.

49 empty milk churns were examined at the local railway stations, and 8 were found to be in a dirty condition. Notices were forwarded to the owners warning them against infringing the provisions of the Milk and Dairies Order.

BACTERIOLOGICAL EXAMINATION OF MILK.

(a) TUBERCLE BACILLI TEST.

13 samples of milk were examined as to the presence of tubercle bacilli. 6 samples gave a "Negative" result and we are awaiting the result of the remaining samples.

(b) METHYLENE BLUE TEST.

17 samples of ordinary milk were examined and 10 of the samples passed the prescribed test. Copies of the unsatisfactory reports were forwarded to the local retailers and also to the Health Officials of the area where the milk is produced.

(c) PLATE COUNT TEST.

4 samples of pasteurised milk were examined and all satisfied the prescribed test.

(d) TUBERCULIN TESTED MILK.

2 samples were examined and passed the prescribed test.

MEAT AND OTHER FOODS.

CENTRALISED SLAUGHTERING.

As in the previous year, all slaughtering of food animals is carried out in Newcastle under Government Control.

FOOD AND DRUGS ACT, 1938, SECTION 13.

Statutory Notice was served on the occupier of a fried fish shop which did not comply with the provisions of the above Section. The Notice received attention.

UNSOUND FOOD.

The following unwholesome foodstuffs were condemned during the year :

	CWTS.	QRS.	LBS.
Beef	8	2	...
Brawn ... ..	...	1	20
Cassorole Steak	3	1	4
Corned Beef (tinned) ... ..	...	1	8
Chopped Ham (tinned) ... ..	...	1	...
Chicken (tinned) ... ..	...	...	1
Luncheon Meat (tinned)	6	3	1
Lambs Heads ... ..	...	...	8
Poloney ... ..	...	...	6
Sausage Meat (tinned) ... ..	...	1	21
Sausage ... ..	...	2	22
Tongue (tinned) ... ..	...	1	13
Baking Powder ... ..	...	1	11
Beans (tinned)	8	3	10
Barley	3	...	6
Butter ... ..	...	...	4
Cocoa ... ..	...	...	2
Date	1	1	8
Fish (tinned)	4	...	17
Fish Cakes, 80 ... ..	...	...	...
Fruit (tinned) ... ..	...	3	18
Greasing Mixture	3	1	12
Jam	2	2	16
Macaroni ... ..	...	...	6
Meat and Vegetables (tinned) ... ..	...	...	4
Pickles ... ..	...	...	13
Peas (tinned) ... ..	...	2	24
Potatoes ... ..	...	1	...
Prunes	2	1	4
Pudding Mixture, 371 pkts. ... ..	...	...	...
Raisins ... ..	...	...	25
Sauce ... ..	...	2	12
Sugar ... ..	...	...	4
Soup ... ..	...	1	5
Salad Dressing ... ..	...	...	8
Milk, 764 tins ... ..	...	...	...
Bread	3	1	8

Condemned meat is sent to an Artificial Manure Manufacturer, Newcastle, and the remaining foodstuffs utilised for Kitchen Waste.

ADULTERATION, ETC.

Action taken under the Food and Drugs (Adulteration) Act, 1928, the Food and Drugs Act, 1938, the Artificial Cream Act, 1929, the Public Health (Condensed Milk) Regulations 1923 and 1927, the Public Health (Dried Milk) Regulations 1923 and 1927, and the Public Health (Preservatives, etc. in Food) Regulations 1925 to 1939.

The above are administered by the Weights and Measures Department of the Northumberland County Council, and I am indebted to the Chief Inspector of that Department for the following statement showing the number, nature of samples, and action taken during the year :-

SAMPLE OF :—	No. OF SAMPLES	GENUINE	NOT GENUINE.	REMARKS.
All purposes Meat (tinned)	1	1		
Baking Powder	1	1		
Beef Cubes	1	1		
Betox	1	1		
Bi-carbonate of Soda	2	2		
Black Pepper	1	1		
Butter	3	3		
Camphorated Oil	1	1		
Coffee Essence with Chicory	1	1		
Chest and Lung Mixture	1	1		
Cocoa	1	1		
Currie Powder	1	1		
Drinking Chocolate	1	1		
Cinnamon	1	1		
Epsom Salts	1	1		
Fish Cakes	3	3		
Gravy Salt	1	1		
Gingerina	1	1		
Ginger Punsh	1	1		
Gregory Powder	1	1		
Ground Nutmeg	1	1		
Golden Syrup	2	2		
Glycerine, Lemon and Ipecac Balsom	1	1		
Ham and Beef Paste	1	1		
Jam	4	4		
Lard	6	6		
Lemon Cheese	1	1		
Milk	41	41		
Mixed Spice	1	1		
Malt Vinegar	1	1		
Margarine	2	2		
Mustard	2	1	1	No action taken. Further samples taken proved satisfactory.
Pilchards	1	1		
Pure Coffee	1	1		
Potato Cakes	1	1		
Prune Preserve	1	1		
Rice	1	1		
Salt	1	1		
Sage & Onion Stuffing	1	1		
Sauce	1	1		
Semolina	1	1		
Sugar	2	2		
Sardines	1	1		
Sedlitz Powder	1	1		
Soya Flour	1	1		
"66" Tonic	1	1		
Vinegar N.B.	1	1		
Yeast	1	1		
TOTALS	105	104	1	

DISEASES OF ANIMALS ACTS SWINE FEVER.

Two suspected outbreaks of swine fever were reported during the year, but after investigation by the Divisional Veterinary Inspector of the Ministry of Agriculture and Fisheries the disease was not confirmed.

MISCELLANEOUS.

SANITARY CONDITION OF THEATRES, MUSIC HALLS, ETC.

In accordance with instructions of the Ministry of Health, contained in Circular 120, dated August 25th, 1920, relating to the sanitary condition of the above premises, inspections were made and certificates issued regarding sanitary accommodation, proper ventilation and cleanliness.

Plans were approved for additional sanitary conveniences to be provided at a local cinema.

RAT AND MOUSE DESTRUCTION.

INFESTATION ORDER, 1943. S.R. & O. No. 680.

During the year the following work was carried out by the Corporation Rat Catcher :—

PREMISES TREATED.

117 Dwelling houses	201 Rats killed.
31 Buildings	34 „ „
3 Air raid shelters	5 „ „
7 Piggeries	29 „ „
4 Farms	143 „ „

BLOCK CONTROL.

2 Blocks of premises were dealt with.

(1) 25 poisonous baits were laid.	(2) 15 poisonous baits were laid.
9 Complete Takes.	3 Complete Takes.
32 Rats (estimated kill).	12 Rats (estimated kill).
6 Bodies recovered.	2 Bodies recovered.

SEWERS MAINTENANCE TREATMENT.

The Council are carrying out a maintenance treatment in which all sewer manholes will be baited at periods of six months. The treatment is now being carried out by the staff of the Borough Surveyor's Department in conjunction with that of the Health Department.

RATS AND MICE (DESTRUCTION) ACT, 1919.

The Northumberland County Council delegated their powers to the Wallsend Council on the 1st February, 1944, in connection with the above Act.

SHOPS ACTS 1912 TO 1934.

The following Regulations are in force in the Borough relating to the Shops Act :—

The Wallsend (General) Weekly Half Holiday Order, 1912.

The Wallsend Ironmongers and Hardwaremen Closing Order, 1912.

The Fish and Poultry Dealers Weekly Half Holiday Order, 1912.

The Wallsend Butchers Shops Closing and Weekly Half Holiday (Extension) Order, 1920.

The Wallsend Tobacconists (Hours of Closing) Order, 1928.

The Wallsend Shops (Sunday Trading Restriction Act, 1936) Partial Exemption Order, 1938.

Emergency Powers (Defence) Act (Hours of Closing) Shops, 1939.

PETROLEUM ACTS.

THE PETROLEUM (CONSOLIDATED) REGULATIONS, 1928.

The following stores are licensed under the Petroleum Acts :—

Petrol Stores	...	...	...	14
Carbide of Calcium Stores			..	5
				—
				19
				==

The premises are periodically inspected, and any infringement of the Petroleum Acts is brought to the notice of the occupiers.

Licences are renewed each year by the Local Authority.

FACTORIES ACT, 1937.

2 notices were received from H.M. Inspector of Factories relating to sanitary accommodation at factories. The notices received attention.

Additional sanitary accommodation is being provided at a local factory.

There are 70 registered factories in the Borough.

Notice was received from the Newcastle Authority regarding an outworker employed in the Borough.

The premises were inspected and found in a satisfactory condition.

HEALTH PROPAGANDA.

Posters supplied by the Central Council for Health Education have again been displayed each month on the poster frames previously used by the Empire Marketing Board.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

NOTIFIABLE DISEASES.

The following is a list of the infectious diseases compulsorily notifiable in the Borough :—

Small-pox, cholera, diphtheria, membranous croup, erysipelas, acute poliomyelitis, cerebro spinal meningitis, ophthalmia neonatorum, puerperal pyrexia, disease known as scarlatina, or scarlet fever, acute polio-encephalitis, encephalitis lethargica

tuberculosis, (all forms), acute primary pneumonia, acute influenza pneumonia, (Malaria, dysentery), and the fevers known by any of the following names:—typhus, typhoid, enteric, relapsing, continued or puerperal.

Measles and whooping cough were made notifiable by regulation in October, 1939.

Prevalance.— During the year 1945, there were 1327 cases of infectious disease notified as compared with 704 in 1944.

For the table of infectious diseases notified, age and distribution, see Table II of Appendix.

DISEASE.	TOTAL CASES NOTIFIED.	TOTAL DEATHS.
Cerebro Spinal Fever	1	—
Scarlet Fever	88	—
Diphtheria	79	5
Puerperal Pyrexia	1	—
Puerperal Fever	1	—
Erysipelas	15	—
Pneumonia	56	22
Dysentery	10	—
Ophthalmia Neonatorum	—	—
Measles	888	—
Whooping Cough	37	—
Respiratory Tuberculosis	140	34
Other Tuberculous Diseases	11	7
TOTALS	1327	68

DIPHTHERIA IMMUNISATION.

	0-5	5-15	Total
(1) Number of children completing full course of immunisation during 1945	755	185	940
(2) Approx. estimated number of children in Borough at 31st Dec., 1945	3130	5738	8868
(3) Estimated percentage of child population shown under (2) immunised as at 31st Dec., 1945	78.25% (1-5 yrs. 97.81%)	91.2%	—
(A) No. of notified cases of Diphtheria under 15 years of age			62
(B) No. of cases in (A) who had completed immunisation not less than 12 weeks before onset of disease			41
(C) No. of deaths from Diphtheria belonging to the Borough of children under 15 years of age			5
(D) No. of deaths in (C) who had completed immunisation not less than 12 weeks before onset of disease			Nil

The above statistics record that over 90% of the local school population as well as infant children 1 to 5 years have been immunised against Diphtheria the benefit of which protection is interestingly proved by a Nil Diphtheria death return amongst immunised children since immunisation was locally commenced in 1941, whereas of the several children deaths from Diphtheria all were among the very much less percentage of unimmunised children.

TUBERCULOSIS.

NEW CASES AND MORTALITY DURING 1945.

AGE-PERIODS	NEW CASES.				DEATHS. OLD AND NEW CASES.			
	PULMONARY		NON-PULMONARY		PULMONARY		NON-PULMONARY	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 1 year	...	...	...	...	...	...	...	...
1 to 5 years	1	...	...	...	...	...	1	...
5 to 10 „	...	1	...	1	...	...	...	...
10 to 15 „	...	2	1	...	...	...	1	1
15 to 20 „	9	10	1	1	1	2	...	...
20 to 25 „	22	17	...	2	5	6	...	1
25 to 35 „	19	19	3	1	3	1	...	1
35 to 45 „	18	3	...	1	6	1	...	...
45 to 55 „	12	1	...	...	3	1	1	1
55 to 65 „	4	...	...	...	3	...	...	...
65 & upwards	2	...	...	...	2	...	...	...
TOTALS ...	87	53	5	6	23	11	3	4

13 deaths occurred of persons belonging to, but residing outside the Borough, including 5 who had not been previously notified.

Of the 28 deaths of persons occurring in and belonging to the Borough 2 had not been previously notified.

		Pulmonary Tuberculosis					Non-Pulmonary Tuberculosis				
		1941	1942	1943	1944	1945	1941	1942	1943	1944	1945
No. of Cases Notified	...	69	58	80	72	140	24	20	18	22	11
Attack Rate per 1,000 Population	...	1.57	1.33	1.86	1.64	3.16	0.54	0.46	0.42	0.50	0.25
No. of Deaths	...	45	21	37	31	34	11	5	8	7	7
Death Rate per 1,000 Population	...	1.02	0.48	0.86	0.70	0.77	0.25	0.11	0.18	0.16	0.16

TUBERCULOSIS.

The alarming increase of notified Pulmonary Tuberculosis during the year which increase was almost 100% compared with the preceding year was entirely due to the introduction of Mass Radiography which service for a short time was afforded the inhabitants in the Borough, many of whom availed themselves of the opportunity with results clearly establishing X Ray to be by far the most scientific and surest diagnostic method of detecting disease in the lungs, ascertainment of which, so difficult hitherto in the early stages of pulmonary tuberculosis, is of such vital importance especially since a patient's chances of treatment and recovery is directly proportional not only to the type of infection but also the degree to which the disease has advanced.

Pulmonary Tuberculosis.—140 new cases were notified during the year, as compared with 72 in the preceding year, whilst there were 34 deaths.

Non-Pulmonary Tuberculosis.—11 new cases were notified, as compared with 22 in 1944. 7 deaths occurred from non-Pulmonary Tuberculosis, as compared with 7 in the previous year.

Sanatorium Treatment.—During the year 44 cases received sanatorium treatment.

Statement of particulars appearing in the Register of Notification of cases of tuberculosis for the year 1945:—

	PULMONARY.			NON-PULMONARY.			Pulmonary and Non-Pulmonary. Total.
	Males.	Females.	Total.	Males	Females.	Total.	
(1) Number of cases of Tuberculosis on the Register at the commencement of the year	124	110	234	47	38	85	319
(2) Number of cases notified under the Regulations 1930 of for the first time during the year	76	47	123	3	6	9	132
(3) Number of cases added to the Register otherwise than by notification	12	5	17	2	—	2	19
(4) Number of cases removed from the Register during the year ...	38	31	69	3	1	4	73
(5) Number of cases remaining on the Register at the end of the year	174	131	305	49	43	92	397

VENEREAL DISEASES PROPAGANDA.

Circular No. 2727 of the 8th January, 1943 and Circular No. 2805 dated 15th April, 1943.

During the year posters have again been distributed and displayed throughout the Borough.

SCABIES.

Scabies, though less prevalent than in the preceding year, continued to demand energetic measures to curtail its incidence and afford treatment, facilities for which when the treatment centre at the Richardson Dees School A.R.P. First Aid Post was disbanded, was established at the Old School Clinic premises, Vine Street, part of which were reconstructed for the purpose and a female employed to undertake treatment sessions as required.

During the year 143 cases were treated under the direction of the Medical Officer of Health.

SMALL-POX.

No case of Small Pox occurred during the year.

The following table shews the number of primary vaccinations by Public Vaccinator, 1923-1945.

		NO. OF BIRTHS.	NO. OF VACCINATIONS.	PERCENTAGE OF VACCINATIONS TO BIRTHS.
1923	...	1,211	701	57.9
1924	...	1,089	672	61.7
1925	...	1,068	659	61.7
1926	...	1,029	759	73.7
1927	...	945	642	67.9
1928	...	951	566	59.5
1929	...	900	472	52.4
1930	...	882	314	35.6
1931	...	885	514	58.07
1932	...	759	464	61.0
1933	...	717	309	43.09
1934	...	768	339	44.2
1935	...	711	253	35.3
1936	...	711	341	47.6
1937	...	726	324	44.6
1938	...	736	234	31.8
1939	...	781	266	34.1
1940	...	863	332	38.4
1941	...	847	406	47.9
1942	...	855	460	53.8
1943	...	893	437	48.9
1944	...	1065	497	46.6
1945	...	875	598	68.3

During 1945, 112 primary vaccinations were carried out by private medical practioners.

LABORATORY WORK.

During the year the examination of all bacteriological specimens was undertaken by the Northumberland County Council.

The annexed table shows the nature and number of specimens submitted during the year, together with the results of bacteriological examination.

Disease Suspected.	Medical Practitioner.		M.O.H. Wallsend		County Tuberculosis Officer.		Total		Grand Total.
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	
Diphtheria	46	126	1	4	...	...	47	130	177
Dysentery	12	5	...	...	...	...	12	5	17
Pulmonary Tuberculosis	4	51	...	...	22	201	26	252	278
Other	4	8	...	...	...	...	4	8	12
Totals	66	190	1	4	22	201	89	395	484

APPENDIX TABLES,
I. to VII.

TABLE I.

Vital Statistics of Whole District during 1945
and Previous Years.

Year	Population estimated to Middle of each Year.	Births			Total Deaths Registered in the District		Transferable Deaths		Net Deaths belonging to the District			
		Uncorrected Number.	Net.		Number.	Rate.	Of Non-residents registered in the District.	Of Residents not registered in the District.	Under 1 yr.		At all ages	
			Number.	Rate.					Number.	Rate per 1000 Net Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	1	12	13
1913	43,700	1287	1297	29.7	571	13.1	5	93	154	119.5	659	15.1
1914	44,570	1396	1403	31.4	530	11.8	3	96	184	131.1	623	13.9
1915	45,700	1297	1305	28.6	640	14.0	5	105	168	128.7	740	16.2
1916	42,706	1287	1297	27.9	528	12.3	11	112	127	97.9	629	14.7
1917	43,358	1207	1207	24.9	619	14.2	—	63	151	125.1	682	15.7
1918	43,593	1314	1314	26.9	761	17.4	22	112	149	113.3	851	19.5
1919	43,689	1227	1227	26.9	618	14.1	19	123	164	133.6	722	16.5
1920	45,430	1457	1457	31.8	543	11.9	11	111	163	111.9	643	14.1
1921	43,880	1347	1393	31.7	529	12.5	4	95	154	110.5	620	14.1
1922	44,070	1101	1156	26.2	463	10.5	8	89	107	92.6	544	12.3
1923	45,030	1115	1211	26.8	423	9.3	7	94	96	79.2	510	11.3
1924	45,480	1030	1089	23.9	455	10.0	5	119	100	91.8	569	12.5
1925	45,620	1007	1068	23.4	482	10.5	5	148	116	108.6	625	13.7
1926	45,080	1008	1029	22.8	391	8.6	4	141	65	63.1	528	11.7
1927	45,730	933	945	20.6	478	10.4	9	140	81	85.7	609	13.2
1928	44,440	928	951	21.4	398	8.9	5	157	79	83.07	550	12.4
1929	44,800	894	900	20.09	432	9.6	9	176	85	94.4	599	13.4
1930	44,800	886	882	19.68	347	7.7	8	152	64	72.5	491	10.9
1931	44,870	933	885	19.71	458	10.2	7	139	76	85.9	590	13.1
1932	44,340	832	759	17.0	375	8.5	10	125	61	80.3	500	11.3
1933	43,950	815	717	16.3	370	8.6	6	147	56	78.1	511	11.6
1934	43,660	868	768	17.5	380	8.7	12	146	60	78.1	514	11.7
1935	43,660	899	711	16.2	347	7.9	9	172	48	66.1	510	11.6
1936	43,640	925	711	16.29	362	8.2	5	157	56	78.7	514	11.7
1937	43,850	994	726	16.5	383	8.7	8	167	53	71.6	542	12.3
1938	43,970	973	736	16.7	408	9.3	17	154	63	85.5	545	12.4
1939												
(a)	45,220	932	781	17.27	374	8.3	22	160	44	56.9	512	11.49
(b)	44,530											
1940	43,540	899	863	19.8	444	10.2	18	153	45	52.1	579	13.3
1941	43,890	805	847	19.2	473	10.7	27	193	77	90.9	639	14.5
1942	43,420	814	855	19.7	404	9.3	26	116	66	77.1	494	11.3
1943	43,040	878	893	20.7	412	9.5	19	172	69	77.2	565	13.1
1944	43,960	1034	1065	24.2	501	11.1	21	156	63	59.1	526	11.9
1945	44,240	1061	875	19.77	400	9.04	22	144	54	61.7	522	11.8

TABLE II.
Cases of Infectious Disease notified for 52 weeks ending 29th December, 1945.

DISEASE.	Number of Cases Notified.												Total Cases Notified in Each Ward.								
	At All Ages.	At Ages—Years.											Northumberland.	Wallsend.	Carville.	Buddle.	Holy Cross	Hadrian.	Willington	Willington Quay.	Howdon.
		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65										65 and over.
Small-Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	†88	3	3	6	10	20	23	11	†6	5	1	...	...	...	32	12	1	12	2	7
Diphtheria...	79	2	1	4	4	38	13	9	7	...	1	...	...	...	23	5	8	3	2	4
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Puerperal Fever ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	15	...	...	1	1	...	...	...	4	2	6	...	...	...	5	...	3	3	...	...
Pneumonia ...	56	8	3	3	1	4	1	4	8	2	10	7	3	5	13	3	6	7	1	10	
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	10	...	...	3	...	2	2	1	...	1	1	...	3	1	3	1	...	...	...	...
Ophthalmia Neonatorum...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro Spinal Fever ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	37	7	5	6	3	7	2	...	...	...	...	...	...	4	13	...	4	2	...	3
Measles ...	888	53	108	124	109	338	18	3	4	1	...	...	32	92	108	76	55	211	43	65
Respiratory Tuberculosis	*140	...	...	...	1	2	2	23	*74	20	16	2	8	23	16	16	11	20	4	6
Other Tuberculous Diseases	11	...	...	...	...	1	1	2	6	1	...	...	...	1	1	4	2	1	...	...
Totals ...	1327	68	122	139	154	412	62	54	110	32	35	10	55	155	175	328	117	90	259	53	95

* Includes 1 non-civilian.

† Includes 2 non-civilians.

TABLE

Causes of, and Ages at,

Causes of Death.	Deaths at the subjoined ages of " Residents "								
	whether occurring in or beyond the District.								
	All Ages	Under 1	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards
Typhoid & Paratyphoid fevers	...	...	...	...	...	...	...	...	...
Cerebro Spinal Fever	...	...	...	...	...	...	...	...	...
Scarlet Fever...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	...
Diphtheria	5	...	1	2	2	...	...	...	...
Tuberculosis of Respiratory System	34	...	...	...	...	15	10	7	2
Other forms of Tuberculosis	7	...	...	1	2	1	2	1	...
Syphilitic Diseases	1	...	...	...	...	...	...	1	...
Influenza	1	...	...	...	...	...	1	...	...
Measles	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis and Polioencephalitis	...	...	...	...	...	...	...	...	...
Acute Infectious Encephalitis	1	1	...	...	...	...	...	...	...
Cancer of Buccal Cavity and Oesophagus (males only)	2	...	...	...	...	...	...	...	2
Cancer of Uterus	6	...	...	...	...	...	...	5	1
Cancer of Stomach and Duodenum	16	...	...	...	...	...	1	6	9
Cancer of Breast	7	...	...	...	...	...	...	5	2
Cancer of all other Sites	40	...	...	...	...	...	6	14	20
Diabetes	3	...	...	...	...	...	1	...	2
IntraCranial Vascular Lesions	64	...	...	...	...	1	2	17	44
Heart Disease	137	...	...	...	...	2	6	36	93
Other Diseases of Circulatory System	19	...	...	...	...	...	2	3	14
Bronchitis	21	4	...	...	...	...	...	6	11
Pneumonia	22	9	2	...	...	...	1	4	6
Other Respiratory Diseases...	5	...	...	...	...	...	2	2	1
Ulceration of Stomach or Duodenum	4	...	...	...	...	...	...	4	...
Diarrhoea (under 2 yrs. of age)	6	5	1	...	...	...	...	...	...
Appendicitis	2	...	...	...	2	...	...	...	...
Other Digestive Diseases	9	...	...	...	...	...	3	4	2
Nephritis	11	...	...	...	...	2	1	6	2
Puerperal and Post-Abortive Sepsis	1	...	...	...	...	...	1	...	...
Other Maternal Causes	...	...	...	...	...	...	...	...	...
Premature Birth	13	13	...	...	...	...	...	...	...
Congenital Malformations, Birth Injury, Infantile Diseases	18	18	...	...	...	...	...	...	...
Suicide	4	...	...	...	...	...	...	1	3
Road Traffic Accidents	3	...	...	1	...	...	1	...	1
Other Violent Causes	14	...	...	1	1	2	4	4	2
All Other Causes	46	4	...	...	2	3	6	6	25
TOTALS	522	54	4	5	9	26	50	132	242

III.

Death during the Year 1945.

Deaths at all ages of " Residents " belonging to the Wards,
whether occurring in or beyond the District.

Northum- berland	Wallsend	Carville	Buddle	Holy Cross	Hadrian	Will'gton	Will'gton Quay	Howdon
...
...
...
...
...	...	1	2	...	2	...	...	...
3	4	7	8	1	3	4	2	2
...	1	2	2	1	...	...	...	1
...	...	...	1	...	...	...	...	...
...	...	...	...	...	...	1	...	...
...
...
...	...	...	...	1	...	...	...	...
...
...	1	...	...	1	...	...	...	...
...	...	1	1	1	1	1	1	...
1	3	1	5	2	...	2	1	1
...	...	1	2	3	...	1	...	...
5	4	2	10	4	3	8	1	3
1	1	...	...	1	...	...	...	...
4	8	12	14	5	4	11	2	4
10	12	12	39	9	13	22	10	10
1	2	1	5	1	1	4	2	2
...	3	2	5	2	2	2	4	1
3	4	3	2	3	1	4	...	2
...	1	...	...	1	2	...	...	1
1	...	...	1	...	1	...	1	...
...	1	1	1	1	...	1	...	1
...	...	...	1	...	...	...	...	1
...	1	1	4	...	...	3	...	...
1	...	1	3	2	2	1	1	...
...	...	...	...	...	1	...	...	...
...
...	3	1	4	1	2	1	...	1
...	1	1	4	...	5	5	...	2
...	2	...	...	2	...	...	...	...
...	...	...	2	1	...	...	...	...
1	1	2	1	1	2	1	2	3
3	5	3	12	5	5	10	1	2
34	58	55	129	49	50	82	28	37

TABLE IV.

Causes of, and Ages at, Deaths of Residents Registered Beyond the District.

CAUSES OF DEATH.	All Ages	under 1	1 & under 2	2 & under 5	5 & under 15	15 & under 25	25 & under 45	45 & under 65	65 & up- wards	North- berland	WallSEND	Carville	Buddle	Holy Cross	Hadrian	Willington	Willington Quay	Howdon
Typhoid and Paratyphoid Fevers ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro Spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	9	...	...	4	...	3	...	2	...	...	3	2	2	1	1	1	...	1
Other forms of Tuberculosis ...	4	...	...	1	2	1	...	1	...	...	1	1	1	...	...	...	...	...
Syphilitic Diseases ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis and Polioencephalitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Infectious Encephalitis ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cancer of Buccal Cavity & Oesophagus (males only)	1	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Cancer of Uterus ...	1	...	...	...	...	...	...	1	2	...	1	...	1	...	...	...	...	...
Cancer of Stomach and Duodenum ...	4	...	...	...	...	...	1	1	...	...	1	...	1	1	...	...	...	...
Cancer of Breast ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cancer of all other Sites ...	9	...	...	...	...	...	2	4	3	...	2	...	2	...	1	1	1	2
Diabetes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Intra Cranial Vascular Lesions ...	18	...	...	...	...	...	1	5	12	1	2	5	6	1	1	...	...	...
Heart Disease ...	24	...	...	...	...	1	...	2	21	...	2	2	4	1	7	2	2	1
Other Diseases of Circulatory System ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis ...	2	...	...	...	...	...	...	2	...	...	1	...	1	...	...	...	...	...
Pneumonia ...	9	2	...	...	...	...	1	1	5	1	2	2	...	1	...	...	...	1
Other Respiratory Diseases ...	3	...	...	...	...	...	1	2	...	...	1	2	...	1	1	...	...	...
Ulceration of Stomach or Duodenum ...	2	...	...	...	...	...	...	2	...	...	1	...	...	1	1	...	...	...
Diarrhoea (under 2 years of age) ...	2	1	1	...	...	...	...	...	...	1	1	...	...	...	...	1	...	...
Appendicitis ...	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1
Other Digestive Diseases ...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Nephritis ...	4	...	...	...	...	2	1	1	1	...	...	...	2	1	1	...	...	...
Puerperal and Post-Abortive Sepsis ...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Other Maternal Causes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	4	4	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Congenital Malformations, Birth Injury, Infantile Diseases	6	6	...	...	...	...	...	...	...	...	...	1	3	...	2	...	...	...
Suicide ...	1	...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	...	...
Road Traffic Accidents ...	1	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...
Other Violent Causes ...	8	...	...	1	1	2	1	3	...	...	1	...	...	...	1	...	2	3
All other Causes ...	25	2	...	...	1	1	6	6	9	2	2	2	7	1	3	6	1	1
TOTALS ...	144	16	1	2	6	11	19	35	54	5	21	17	35	9	20	21	6	10

TABLE V.

Infantile Mortality during the Year 1945.

CAUSES OF DEATH.	Under 1 week	1 to 2 weeks	2 to 3 weeks	3 to 4 weeks	Total under 1 mth	1 to 3 mths.	3 to 6 mths.	6 to 9 mths.	9 to 12 mths.	Total Deaths under 1 year	Northumberland	WallSEND	CARVILLE	BUDDLE	Holy Cross	HADRIAN	WILLINGTON	WILLINGTON QUAY	HOWDON
Influenza
Chicken-pox
Measles
Scarlet Fever
Whooping Cough
Diphtheria and Croup
Erysipelas
Tuberculous Meningitis
Abdominal Tuberculosis
Other Tuberculous Diseases
Meningitis (not Tuberculous)
Cerebro Spinal Fever
Encephalitis	1	...	1	1	1	...	...	1	...	1	...	...	1	...	...	...	...
Convulsions	3	...	...	1	1	...	1	...	...	...
Laryngitis
Bronchitis	3	1	2	8	...	1	...	1	2	...	2	...	1
Pneumonia (all forms)	4	...	...	1	...	1	...	2	...	...	...	...	...
Diarrhoea	1	1	2	2	...	...	5	...	...	...	...	2	...	...	...	1
Enteritis
Gastritis
Syphilis
Nephritis
Rickets
Suffocation Overlying
Injury at Birth
Atelectasis ...	2	...	...	...	2	...	...	...	...	2	...	1	1	3	...	2	1	...	...
Congenital Malformations ...	3	...	...	1	4	2	1	...	1	8	...	3	1	4	1	2	1	...	1
Premature Birth ...	13	...	...	...	13	...	...	...	...	13	...	...	...	1	...	2	...	...	3
Atrophy, Debility, and Marasmus ...	2	...	...	...	2	2	1	...	...	5	...	...	...	1	...	1	...	...	...
Violent Deaths	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Other Causes	2	1	1	...	...	4	...	...	...	1	...	...	2	...	...
TOTALS	20	2	1	2	25	10	14	2	3	54	...	7	4	13	7	9	8	...	6

TABLE VI.

Particulars of Work carried out by Health Visitors.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Number of Births Notified	71	70	76	75	89	61	90	80	66	70	73	81	902
No. Notified by Doctors, etc.	7	7	4	6	—	2	10	10	4	6	7	—	63
„ „ Midwives	63	62	70	65	86	55	71	69	61	62	64	78	806
„ of Still Born	1	1	2	4	3	4	9	1	1	2	2	3	33
„ of First Visits to Infants	56	65	51	71	112	61	95	104	51	85	59	75	885
„ of Re-Visits to Infants	128	131	103	84	121	168	164	160	154	201	223	203	1840
„ „ Children 1-5 years	161	212	148	165	267	276	259	346	240	269	262	276	2881
„ of First Visits to Expectant Mothers	6	9	13	7	7	21	23	15	23	26	21	8	179
„ of Re-Visits to Expectant Mothers	3	6	9	9	5	9	12	12	8	10	14	3	100
„ of Breast Fed Infants	41	48	31	48	83	51	69	64	39	70	45	52	741
„ of Partially Breast Fed Infants	4	4	5	3	8	4	9	15	4	5	4	8	73
„ of Artificially Fed Infants	11	13	15	20	21	6	17	25	8	10	10	15	171

TABLE VII.

Birth-rates, Civilian Death-rates, Analysis of Mortality, Maternal Mortality and Case-rates for certain Infectious Diseases in the year 1945.

England and Wales, London, 126 Great Towns and 148 Smaller Towns.

(Provisional Figures based on Weekly and Quarterly Returns).

	ENGLAND AND WALES.	126 COUNTY BOROUGHs AND GREAT TOWNS INCLUDING LONDON.	148 SMALLER TOWNS (RESIDENT POPULATIONS 25,000 TO 50,000 AT 1931 CENSUS).	LONDON ADMINISTRATIVE COUNTY.	Wallsend
Rates per 1,000 Civilian Population.					
Births :					
Live	16.1	19.1	19.2	15.7	19.77
Still	0.46	0.58	0.53	0.40	0.75
Deaths :					
All Causes	11.4	13.5	12.3	13.8	11.8
Typhoid & Paratyphoid Fevers	0.00	0.00	0.00	0.00	0.00
Scarlet Fever	0.00	0.00	0.00	0.00	0.00
Whooping Cough	0.02	0.02	0.01	0.02	0.00
Diphtheria	0.02	0.02	0.02	0.01	0.13
Influenza	0.08	0.07	0.07	0.07	0.02
Smallpox	—	—	—	—	—
Measles	0.02	0.02	0.02	0.01	0.00
Notifications :					
Typhoid Fever	0.01	0.01	0.01	0.01	0.00
Paratyphoid Fever	0.01	0.00	0.01	0.00	0.00
Cerebro Spinal Fever... ..	0.05	0.05	0.05	0.06	0.02
Scarlet Fever	1.89	2.02	2.03	1.57	1.99
Whooping Cough	1.64	1.65	1.47	1.25	0.83
Diphtheria	0.46	0.52	0.56	0.31	1.78
Erysipelas	0.25	0.28	0.24	0.31	0.34
Smallpox	0.00	0.00	0.00	0.00	0.00
Measles	11.67	10.89	11.19	9.03	20.07
Pneumonia	0.87	1.03	0.72	0.78	1.26
Rates per 1,000 Live Births.					
Deaths under 1 year of age	46	54	43	53	61.7
Deaths from Diarrhoea and Enteritis under 2 years of age	5.6	7.8	4.5	7.6	6.8
Rates per 1,000 Total Births (i.e. Live and Still).					
Maternal Mortality : (excluding Abortion)					
Puerperal Infection (No. 147)	0.24	} Not available.			} 1.1
Others	1.22				
Total	1.46				
Notifications :					
Puerperal Fever	9.93	12.65	8.81	3.60	1.1
Puerperal Pyrexia				15.87 inc. Puerperal Fever	1.1

